

CURRICULUM VITAE

FABIO IOCCO

Mailing Address:

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PERSONAL INFORMATION

Born on September 26th, 1979, in Naples, Italy.

Italian citizen.

JOB HISTORY AND EDUCATION

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| 2014–Present | Junior Professor (tenure-track faculty) at ICTP-SAIFR, IFT-UNESP, São Paulo, Brazil. (Simons Foundation fellowship + FAPESP Jovem Pesquisador) |
| 2013–2014 | Postdoc, Instituto de Física Teórica, UAM/CSIC, Madrid, Spain. (Severo-Ochoa fellowship.) |
| 2011–2013 | Postdoc, the Oskar Klein Center for Cosmoparticle Physics, Stockholm, Sweden. (Wenner-Gren fellowship.) |
| 2009–2011 | Postdoc, Institut d’Astrophysique de Paris, France. (Marie-Curie IEF fellowship.) |
| 2008–2009 | Postdoc, Institut de Physique Theorique du CEA/Saclay (IPhT) et Institut d’Astrophysique de Paris (IAP). (<i>Physique deux Infinis (P2I)</i> fellowship.) |
| 2007–2008 | Postdoc, “Osservatorio Astrofisico di Arcetri”, Firenze, Italy. |
| 2005–2007 | Visiting student at Kavli Institute for Particle Astrophysics and Cosmology, KIPAC. Stanford, USA. |

- 2003–2007 Graduate Studies in Physics at Università di Napoli “Federico II”, Napoli, Italy. PhD thesis *A search for Population III stars* defended on December 21st, 2007; supervisor: Prof. Dr. G. Miele.
- 1997–2003 Undergraduate Studies in Physics at the Università di Napoli “Federico II”, Napoli, Italy. Graduated top marks with honor (Italian “Laurea” achieved “110/110, cum laude”). Thesis: *Limit to Population III star metallicity from Primordial Nucleosynthesis*; supervisors: Prof. Dr. G. Miele; Dr. G. Mangano.

EXTERNAL GRANTS FOR ACTIVITIES AND COLLABORATIONS

- 2017 Prisma Cluster grant for 2018 “Tensions in the Λ CDM” workshop at MITP, Mainz, Germany. (Successful application to MITP call for workshop. ~ 15 kEuro for participants’ support.)
- 2016 ICTP-SAIFR grant for PPC conference. (Successful application for conference organization. See list of organized workshops for reference event in 2016. ~ 10 kEuro.)
- 2016 ICTP-SAIFR grant for DM school. (Successful application for school organization. See list of organized workshops for reference event in 2016. ~ 10 kEuro.)
- 2016 SPRINT grant for collaboration with Imperial College. London, UK. (FAPESP agency grant. ~ 6 kEuro.)
- 2015 SPRINT grant for collaboration with GRAPPA Institute. University of Amsterdam, The Netherlands. (FAPESP agency grant. ~ 10 kEuro.)
- 2015 Prisma Cluster grant for workshop at MITP, Mainz, Germany. (Successful application to MITP call for workshop. ~ 20 kEuro for participants’ support. See list of organized workshops for reference event in 2016.)
- 2014 MULTIDARK grant for workshop at Madrid. (Successful application to Madrid IFT’s call for workshop. ~ 30 kEuro for participants’ support. See list of organized workshops for reference event in 2015.)
- 2010 PEPS grant for intra-franco collaboration. (CNRS grant for travelling and collaboration. ~ 5 kEuro.)

2009–2012 During these years I have organized several conferences in France (see list of organized events for reference). For each of them support was applied for, in different forms to different national agencies, receiving a total support of approximately ~ 20 kEuro.

STUDENT ADVISING/MENTORING

2016 Carolina Negrelli, PhD project co-supervision. Universidad de La Plata, Argentina.

2015 Maria Benito Castaño; full PhD thesis supervision at ICTP-SAIFR.

2014 Maria Benito Castaño; full master thesis supervision at IFT Madrid.

2010-2011 Miguel Pato, PhD student. Currently postdoc at Oskar Klein Center, Stockholm.

2011 Florent Leclercq, master student (french level M1) of École Polytechnique (Paris, France); tutoring of research term (“stage”). Currently graduate student at Université Paris VI. Supervisor: Benjamin Wandelt.

2009-2013 Silvia Galli, PhD project co-supervision. Currently CRII researcher at IAP Paris.

2009-2010 Marco Taoso, PhD project co-supervision. Currently staff researcher at INFN Torino.

TEACHING EXPERIENCE

2017 *Ongoing* “Astrophysics for theoretical physicists”, ICTP–SAIFR/UNESP, Brazil.

2016 Organizer and teacher at “School on Dark Matter” (for master and PhD students) at ICTP-SAIFR, SP, Brazil.

2015, 2016 “Elementary Particles III’ (Astroparticle)”, ICTP–SAIFR/UNESP, Brazil. Full course, second semester, once a year in both years. [16 weeks, 6 hours a week.]

2012 “Introduction to AstroParticle Physics”, University of Stockholm. Full course. [20 weeks, 6 hours a week.]

2003 Teaching Assistant in the class “Fundamental Physics” at the Faculty of Medicine, Università di Napoli “Federico II”, Fall Term.

2001-2004 Tutoring in Maths and Physics, undergraduate students at the Faculty of Engineering (Università "Federico II").

INVITED TALKS AT CONFERENCES AND WORKSHOPS

2016 Dark Matter & Stars workshop, Paris, France.
2015 XXVI ENCPF, Caxambu, Brazil.
2015 PPC conference, South Dakota, USA.
2015 Challenges of New Physics in Space, Campos do Jordao, Brazil.
2015 Mitchell Workshop, Texas A & M, Texas, USA.
2015 II Cesar Lattes Meeting. Rio de Janeiro, Brazil.
2014 WIMP–Axions, IBS-Multidark joint workshop. Daejeon, Korea.
2013 Dark Matter: cross-disciplinary, multi pronged approach. KITP, S. Barbara, USA.
2012 Lithium in the Cosmos. IAP, Paris, France. Conclusion talk.
2012 First Stars IV. Kyoto, Japan. Targeted talk.
2011 GdR Terascale 2011. Marseille, France.
2010 Cosmic Radiation Fields (Sources in the Early Universe). DESY, Hamburg, Germany.
2010 Multi-cubed Workshop (a cubic approach to DM). Università di Padova, Italy.
2010 Dark Matter in the sky and underground. Zurich, Switzerland.
2009 Workshop "Gammas in Zurich". Institute of Theoretical Physics, University of Zurich, Switzerland.

SCIENCE ORGANIZATION OF CONFERENCES, WORKSHOPS, SCHOOLS

2017 South American Dark Matter workshop, ICTP–SAIFR, São Paulo, Brazil.
2016 PPC 2016; ICTP–SAIFR, São Paulo, Brazil.
2016 School on Dark Matter; ICTP–SAIFR, São Paulo, Brazil.

- 2016 MITP two-week program on “DM in the MW, interaction between data, simulations, and astroparticle”; Mainz, Germany.
- 2015 DM day in São Paulo. ICTP-SAIFR, SP, Brazil.
- 2015 PASCOS 2015. DM convener. ICTP, Trieste, Italy.
- 2015 Identification of DM with a cross-disciplinary approach, three-week program. IFT Madrid, Spain.
- 2012 Lithium in the Cosmos, Paris, France. SOC/LOC.
- 2010 Dark Matter all Around, Paris, France. SOC/LOC.
- 2010 TeV Particle Astrophysics Conference; Paris, France. LOC.
- 2009 TANGO in Paris, Paris, France. SOC/LOC.
- 2008-present Internal meeting coordinations: Café GReCO @ IAP; CosmoCoffee @ IAP; Astrofika @ OKC; DM group meeting convener @ OKC; DM Journal Club organiser @ IFT.

INVITED SEMINARS & COLLOQUIA

- 2017 Research seminar, Humboldt University, Berlin.
- 2016 Colloquium, MPP Munich, Germany.
- 2016 Còloquio de Física, Universidad de Buenos Aires, Argentina.
- 2016 Còloquio, Observatorio de La Plata, Argentina.
- 2016 Theory Seminar, LAPTh, Annecy-le-Vieux, France.
- 2015 Seminar, Dark Centre, Copenhagen, Denmark.
- 2015 Astronomy Seminar, UFRGS, Porto Alegre, Brazil.
- 2015 Astrophysics Seminar, DAS/INPE, São Jose dos Campos, Brazil.
- 2015 UFRJ Còloquio, Rio de Janeiro, Brazil.
- 2015 CBPF Còloquio, Rio de Janeiro, Brazil.
- 2015 IAG Colloquium, USP, São Paulo, Brazil.
- 2015 KIPAC Seminar, Stanford, USA.
- 2015 UCSC Seminar, Santa Cruz, USA.

- 2015 DESY Seminar, Zeuthen, Germany.
- 2015 Seminario, Universidad Federal do Espirito Santo, Vitoria, Brazil.
- 2015 FMA Còloquio, USP, São Paulo, Brazil.
- 2015 IFT Còloquio, São Paulo, Brazil.
- 2015 NCC Seminar, São Paulo, Brazil.
- 2015 GSSI seminar, L'Aquila, Italy.
- 2015 IFSC Còloquio, USP, São Carlos, Brazil.
- 2015 DRCC Seminar, UNICAMP, Campinas, Brazil.
- 2014 AIP Seminar, Potsdam, Germany.
- 2014 Physics Colloquium, Sungkyunkwan University, Suwon, Korea.
- 2014 Colloquio di Fisica, Università di Torino, Italy.
- 2014 Seminaire GReCO, IAP Paris, France.
- 2014 INFN seminar, Università Federico II, Napoli, Italy.
- 2014 IFT Seminar, IFT, Madrid, Spain.
- 2014 Astronomy Seminar, IAG at USP, Sao Paulo, Brazil.
- 2014 Theory Seminar, LAPTh, Annecy-le-Vieux, France.
- 2013 La Trobada, IFIC, Valencia, Spain.
- 2013 Colloquium, DESY Zeuthen, Germany.
- 2013 Theory Seminar, ICTP-SAIFR, Sao Paulo, Brazil.
- 2013 AstroSpace Seminar, Uppsala University, Sweden.
- 2013 Colloquium, Lund Observatory, Lund, Sweden.
- 2013 Theory Seminar, ICTP, Trieste, Italy.
- 2012 Theory Seminar, SITP, Stanford University, USA.
- 2012 CCAPP Seminar, Ohio State University, Columbus, USA.
- 2012 Theory Seminar, TUM, Muenchen, Germany.
- 2012 Oskar Klein Center Colloquium, Stockholm, Sweden.

- 2011 Stellar Physics seminar, Argelander Institut fur Astronomie, Bonn, Germany.
- 2011 Cosmology Seminar, AstroParticule et Cosmologie, Paris, France.
- 2011 Physics Department Seminar, Università Federico II, Napoli, Italy.
- 2011 ITA Colloquium at Heidelberg University, Germany.
- 2011 DESY Seminar, Zeuthen, Germany.
- 2011 Colloquium at Astrophysikalisches Institut Potsdam, Germany.
- 2011 GReCO seminar, Institut d' Astrophysique de Paris, France.
- 2011 LUPM Seminar, Université de Montpellier, France.
- 2010 Cosmology Seminar, Max Planck fuer Astrophysis, Garching, Germany.
- 2010 Theory Seminar, LAPTH–Université de Savoie, Annecy-Le-Vieux, France.
- 2010 Theory Seminar, Imperial College, London, United Kingdom.
- 2010 University of Kyoto and Yukawa Institute, Kyoto, Japan.
- 2010 Yukawa Institute for Theoretical Physics, Kyoto, Japan.
- 2010 Astroparticle Seminar at University of Hamburg-DESY, Hamburg, Germany.
- 2010 Colloquium, Scuola Normale Superiore, Pisa, Italy.
- 2010 Theory Seminar, APC, Paris, France.
- 2009 Seminaire de l'Observatoire de Genève, Versoix, Switzerland.
- 2009 LPTA colloquium, Université de Montpellier II, France.
- 2009 Theoretical Physics Colloquium, Università di Torino, Italy.
- 2009 Università La Sapienza, Roma, Italy.
- 2009 IFIC seminar, Valencia, Spain.
- 2009 Universidad Autonoma de Madrid, Spain.
- 2009 CENTRA Colloquium, Lisboa, Portugal.
- 2009 ITA Colloquium, Heidelberg, Germany.

- 2009 Stanford University, USA.
- 2009 Oscar Klein Center, Stockholm, Sweden.
- 2009 Colloquium, Osservatorio di Arcetri, Firenze, Italy.
- 2009 GReCO seminar at IAP, Paris, France.
- 2009 IPhT seminar at CEA, Saclay, France.
- 2008 Dark Center, Copenhagen, Denmark.
- 2008 Institute for Physics and Astronomy, Århus, Denmark.
- 2008 Theory Seminar, LAPTH–Université de Savoie, Annecy-Le-Vieux, France.
- 2008 University of California, Berkeley, USA.
- 2008 California Institute of Technology, Pasadena, USA.
- 2008 Astroparticle Seminar, Fermilab, USA.
- 2008 Theory Seminar at Max Planck fur Physik, Munich, Germany.
- 2007 IFIC, Valencia, Spain.
- 2006 “Primordial Nucleosynthesis”, co-speaker with Prof. Robert Wag-
oner at Stanford Cosmology Tutorial Series.
- 2005 University of California Los Angeles, California, USA.

CONFERENCES, WORKSHOPS, SCHOOLS– ALL CONTRIBUTIONS

- 2016 Dark Matter & Stars workshop, Paris, France. Invited talk
- 2015 CETUP workshop, Lead, South Dakota, USA. Invited talk.
- 2014 TeV Particle Astrophysics Conference, Amsterdam, The Nether-
lands. Contributed talk.
- 2014 “The unquiet Universe”, Cefalù. Italy. Contributed talk.
- 2014 “*What is Dark Matter?*” program, NORDITA, Stockholm, Swe-
den. Invited seminar.
- 2014 10th MultiDARK meeting, Valencia, Spain. Contributed talk.
- 2014 Cosmology workshop. ICTP-SAIFR, Sao Paulo, Brazil. Invited
talk.

- 2013 International Conference on Cosmic Rays, ICRC 2013. Rio de Janeiro, Brazil. Contributed talk.
- 2012 Identification of Dark Matter, Chicago, USA. Contributed talk.
- 2012 First Stars IV, Kyoto, Japan. Targeted talk.
- 2012 Lithium in the Cosmos, Paris, France. LOC/SOC. Conclusion talk.
- 2011 GdR Terascale 2011, Marseille, France. Invited talk.
- 2011 COSMO 11, Porto, Portugal.
- 2011 TeV Particle Astrophysics Conference, Stockholm, Sweden. Contributed talks.
- 2010 Dark Matter all Around, Paris, France. Organizing Committee.
- 2010 Cosmic Radiation Fields (Sources in the Early Universe), Hamburg, Germany. Invited talk
- 2010 COSMO 10, Tokyo, Japan. Contributed talk.
- 2010 Dark Matter in the sky and underground; Zurich, Switzerland. Invited talk.
- 2010 Identification of Dark Matter; Montpellier, France. Contributed talk.
- 2010 TeV Particle Astrophysics Conference; Paris, France. LOC.
- 2010 Particle Physics and Cosmology Workshop in Torino, Italy. Contributed talk.
- 2010 Galileo Galilei Institute, "Dark Matter: its origin, nature, and prospects for detection"; Firenze, Italy.
- 2010 GdR Terascale general meeting, Orme des Merisiers, France. Contributed talk.
- 2010 First Stars and Galaxies, five challenges for the future. University of Texas in Austin, USA. Contributed talk.
- 2010 Multi-cubed Workshop (a cubic approach to DM), Università di Padova, Italy. Invited talk.
- 2010 Journées Physique de deux Infinis 2010, Institut d'Astrophysique de Paris, France. Contributed talk.

- 2010 Rencontre de Physique des Particules 2010, Lyon, France. Contributed talk.
- 2009 Workshop "Direct, Indirect and Collider Signals of Dark Matter", University of California Santa Barbara, USA.
- 2009 Workshop "Gammas in Zurich", Institute of Theoretical Physics at the University of Zurich, Switzerland. Invited talk.
- 2009 Workshop on Cosmic Structure and Evolution, Bielefeld, Germany. Contributed talk.
- 2009 COSMO 09, Geneva, Switzerland. Contributed talk.
- 2009 TeVPA 09, SLAC, California. Contributed talk.
- 2009 Universe Invisible, Paris, France. Contributed talk.
- 2009 TANGO in Paris, Paris, France. LOC/SOC.
- 2009 GDR Terascale, Grenoble, France. Contributed talk.
- 2009 School "Searching for Dark Matter", Les Houches, France.
- 2009 Galileo Galilei Institute Conference on Dark Matter, Firenze, Italy. Contributed talk.
- 2008 TeVPA08, Beijing, China. Contributed talk.
- 2008 SLAC Summer Institute "Cosmic Accelerators", SLAC, California. Poster contribution.
- 2008 IAU 255 Symposium, "Low-metallicity star formation: from the first stars to dwarf galaxies", Rapallo, Italy. Contributed talk.
- 2008 PONT d' Avignon, Avignon, France.
- 2008 ENTApP Annual Meeting and Visitor Program, Hamburg, Germany. Contributed talk.
- 2007 SLAC Summer Institute "Dark Matter: from the Cosmos to the laboratory", SLAC, California.
- 2007 "First Stars 3" Conference, Santa Fe, New Mexico. Poster contributions.
- 2007 First GLAST Symposium, Stanford University. Poster contribution.
- 2006 SLAC Summer Institute "Exploring with the LHC", SLAC, California. Poster contribution

- 2006 Conference "Nuclei in the Cosmos 2006", Geneva, Switzerland. Poster contribution
- 2006 Conference "Neutrino 2006", Santa Fe, New Mexico. Poster contribution
- 2005 SLAC Summer Institute "Gravity in the Quantum World and the Cosmos", SLAC, California.
- 2005 Workshop on "Grand Challenge Problems in Computational Astrophysics", UC Los Angeles, California.
- 2004 Workshop on "Chemical Enrichment of the Early Universe", Santa Fe, New Mexico. Contributed talk.
- 2004 School on Astroparticle Physics "Physics with Cosmic Accelerators", Bad Honnef, Germany.
- 2003 International Conference "Observing, Thinking and Mining the Universe", Sorrento, Italy. poster contribution
- 2003 International School on Astroparticle Physics, Conca Specchiulla, Italy.
- 2002 ICTP's Summer School on Astroparticle Physics, Trieste, Italy.

LANGUAGE SKILLS

Italian: native

English: fluent (FCE achieved in 1996, TOEFL in 2003)

Spanish: fluent

French: fluent

Portuguese: proficient understanding of written and spoken; close-to-fluent speaker.